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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Xu et al.

App. No.: 10/784,911 GPAU: 1713

Filing Date: February 23, 2004 Examiner: Satya B, Sastri

Dkt. No.: PA115-57-03 Conf. No.: 6149

For: MATERIALS FOR IMPRINT LITHOGRAPHY

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- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449  
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to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:

before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

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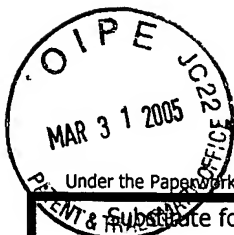
Typed Name: Katrina Prati

Date: 3-29-05

Respectfully Submitted,



Kenneth C. Brooks,  
Reg. No. 38,393  
Legal Department  
Molecular Imprints, Inc.  
P.O. Box 81536  
Austin, TX 78758-1536  
(512) 339-7760  
(512) 491-8918 (fax)



PTO/SB/08A (08-03)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
Sheet      1      of      5				<b>APPLICATION NUMBER</b> 10/784,911	
				<b>FILING DATE</b> 02/23/2004	
				<b>FIRST NAMED INVENTOR</b> Xu et al.	
				<b>Group Art Unit</b> 1713	
				<b>Examiner Name</b> Sastri, Satya B.	
				<b>Attorney Docket Number</b> PA115-57-03	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

	C1	6,391,217	B2	Schaffer et al.	5/21/2002	
	C2	2004/0007799	A1	Choi et al.	1/15/2004	
	C3	2004/0021254	A1	Sreenivasan et al.	2/5/2004	
	C4	2004/0021866	A1	Watts et al.	2/5/2004	
	C5	2004/0022888	A1	Sreenivasan et al.	2/5/2004	
	C6	2002/0177319	A1	Chou	11/28/2002	
	C7	6,518,189	B1	Chou	2/11/2003	
	C8	2004/0192041	A1	Jeong et al.	9/30/2004	
	C9	6,828,244	B2	Chou	12/7/2004	
	C10	6,809,356	B2	Chou	10/26/2004	
	C11	2004/0197843	A1	Chou et al.	10/7/2004	
	C12	2004/0156108	A1	Chou et al.	8/12/2004	
	C13	2004/0137734	A1	Chou et al.	7/15/2004	
	C14	2004/0131718	A1	Chou et al.	7/8/2004	
	C15	2004/0118809	A1	Chou et al.	6/24/2004	
	C16	2004/0046288	A1	Chou	3/11/2004	
	C17	2003/0080472	A1	Chou	5/1/2003	
	C18	2003/0034329	A1	Chou	2/20/2003	

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	C19	2002/0042027	A1	Chou et al.	4/11/2002	
	C20	10/763,885		Xu et al.	1/23/2004	
	C21	5,594,042		Glover et al.	1/14/1997	
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	C31	11/068,174		Xu et al.	2/28/2005	
	C32	5,028,366		Harakal et al.	7/2/1991	
	C33	5,601,641		Stephens	2/11/1997	
	C34	5,849,209		Kindt-Larsen et al.	12/15/1998	
	C35	5,849,222		Jen et al.	12/15/1998	

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				Examiner Name	Sastri, Satya B.
				Attorney Docket Number	PA115-57-03

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		Office 3	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

	C36	WO	02/07199		Chou	1/24/2002		
	C37	WO	2004/114016		Chou et al.	12/29/2004		
	C38	WO	99/05724		Chou et al.	2/4/1999		
	C39	WO	03/010289		Chou et al.	2/6/2003		
	C40	WO	03/079416		Chou	9/25/2003		
	C41	WO	03/099536		Chou et al.	12/4/2003		

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Sheet	4	of	5	Attorney Docket Number	PA115-57-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

	C42	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
	C43	Papirer et al., The Grafting of Perfluorinated Silanes onto the Surface of Silica: Characterization by Inverse Gas Chromatography, Journal of Colloid and Interface Science 159, pp.238-242, 8/1/1993	
	C44	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technolgy B 14(16), pp. 4129-4133, 11/1/1996	
	C45	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	
	C46	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	
	C47	Yu et al., Properties of Fluorinated Amorphous Diamond Like Carbon Films by PECVD, Applied Surface Science 219 (3-4); pp. 228-237, 12/1/2003	
	C48	Compon et al., Electroanalysis at Diamond-Like and Doped-Diamond Electrodes, Electroanalysis 15(17); pp. 1349-1363, 9/1/2003	
	C49	Mansano et al., Protective Carbon Layer for Chemical Corrosion of Stainless Steel, Diamond and Related Materials 12 (3-7); pp. 749-752, 3/1/2003	
	C50	Butter et al., Production and Wetting Properties of Fluorinated Diamond-Like Carbon Coatings, Thin Solid Films, 311(1-2); pp. 107-113, 12/31/1997	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	C51	Hakovirta et al., Heat Resistance of Fluorinated Diamond-Like Carbon Films, Diamond and Related Materials 10(8); pp. 1486-1490, 8/1/2001	
	C52	Zhu et al., The Improvement of the Oxidation Resistance of TiAl Alloys by Fluorine Plasma-Based Ion Implantation, Surface and Coatings Technology 158; pp. 502-507, 9/1/2002	
	C53	Yao et al., Structural, Mechanical and Hydrophobic Properties of Fluorine-Doped Diamond-Like Carbon Films Synthesized by Plasma Immersion Ion Implantation and Deposition (PIII-D), Applied Surface Science 230; pp. 172-178, 4/17/2004	
	C54	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
	C55	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
	C56	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

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